

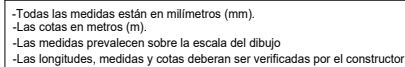
### Viga Prefabricada Rectangular - RECT

Technical drawing of a beam-to-column connection. The drawing shows a side elevation of a beam with a total height of 500mm and a width of 300mm. The beam is supported by two columns, each with a diameter D=600mm. The connection is made using a 'Viga T invertida' (inverted T-beam) with a height of 500mm. The beam is reinforced with 2Ø10mm Mc102 bars at the top and 2Ø16 Mc101 bars at the bottom. The length of the beam is labeled 'Lvariable'. The connection is secured with 2Ø16 Mc106 bars and 3 torones Ø12.7mm (Fpu=1860 MPa) Mc107. The columns are labeled 'Cabezal 800\*800\*300' and 'Pilote, D=600mm'.

| PLANILLA DE HORMIGÓN DE VIGAS PREFABRICADAS (f'c= 400 kg/cm²) |        |                 |               |          |              |
|---|--------|-----------------|---------------|----------|--------------|
| VIGA RECTANGULAR  |        | Código          | Longitud (mm) | Cantidad | Volumen (m³) |
| Area (m²)   | 0.1175 | Viga RECT-M5-01 | 6440          | 9.000    | 6.810        |
|   |        | Viga RECT-M5-02 | 6850          | 9.000    | 7.244        |
|   |        | Viga RECT-M5-03 | 5740          | 3.000    | 2.023        |
|   |        | Viga RECT-M5-04 | 4000          | 2.000    | 0.940        |
|   |        | Viga RECT-M5-05 | 2300          | 2.000    | 0.541        |
|   |        | Viga RECT-M5-06 | 1750          | 1.000    | 0.206        |
|   |        | Viga RECT-M5-07 | 2000          | 1.000    | 0.235        |
|   |        | Viga RECT-M5-08 | 5420          | 1.000    | 0.637        |
|   |        | Viga RECT-M5-09 | 4500          | 1.000    | 0.529        |
|   |        | Viga RECT-M5-10 | 4200          | 5.000    | 2.468        |
|   |        | Viga RECT-M5-11 | 3500          | 1.000    | 0.458        |
|   |        | Viga RECT-M5-12 | 4650          | 1.000    | 0.506        |
|   |        | Viga RECT-M5-13 | 3400          | 1.000    | 0.400        |
| TOTAL=  |        |                 |               |          | 23.038       |

|  |   |    |   |       |      |       |      |      |                              |       |
|--|---|----|---|-------|------|-------|------|------|------------------------------|-------|
| 8,95                                     | 5 | 80 | 3 | 11,40 | 4,10 | 11,20 | 4,90 | 11,4 | Total de VIGAS RECTANGULARES | 75,75 |
| Total de vigas coladas 10kg M3 CT-M05-18 |   |    |   |       |      |       |      |      | 1413,91                      |       |

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